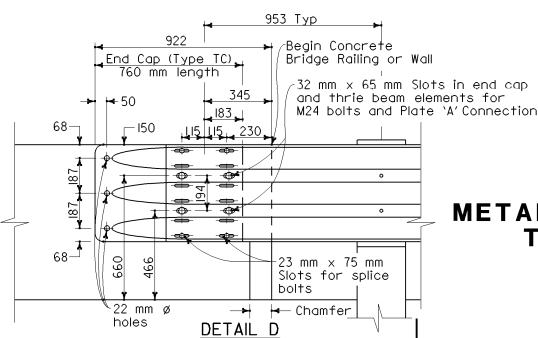
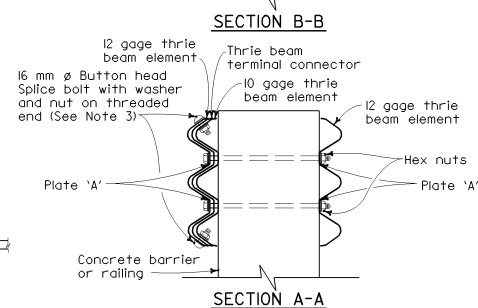
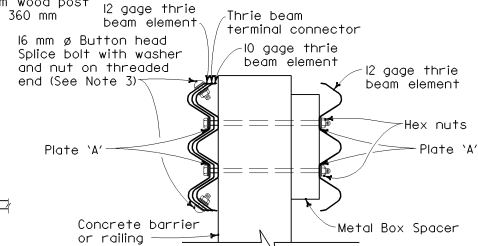
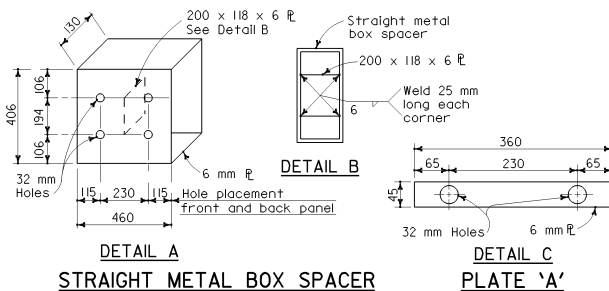


# LEGEND

- (A) Nested thrie beam elements (one 12 gage element nested over one 10 gage element).
- (B) One 10 gage "W" beam to thrie beam element.
- (C) One 12 gage thrie beam element.
- (D) One 10 gage "W" beam rail element (2221 mm length)
- 10 gage = 3.43 mm thick
- 12 gage = 2.67 mm thick



## NOTES:

1. Use 16 mm Ø Button head bolts and hex nuts for connections to posts. No washer on rail face for bolted connections to post.
2. The nested rail elements, end cap, and "W" beam to thrie beam element may be spliced together prior to bolting the elements to the wood post and concrete barrier or railing.
3. Exterior splice bolt holes for rail splices at Post No. T4 and the connection to the concrete barrier or railing shall be the standard 23 mm x 29 mm slot size. Interior splice bolt holes at these locations may be increased up to 32 mm Ø. Only the top 2 and the bottom 2 splice bolts with washers and nuts are required for rail splices at Post No. T4 and the connection to the concrete barrier or railing.
4. Direction of adjacent traffic indicated by →
5. The top elevation of Post Nos. T2 through T7 shall not project more than 25 mm above the top elevation of the rail element.
6. Typically, the railing connected to Transition Railing (Type WB) will be either standard railing section of metal beam guard railing or an approved Caltrans end treatment attached to Post No. T1.

## METAL BEAM GUARD RAILING TRANSITION RAILING (TYPE WB)

NO SCALE  
ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN

A77J4



| DIST | COUNTY | ROUTE | KILOMETER POST | SHEET TOTAL |
|------|--------|-------|----------------|-------------|
|      |        |       |                |             |

|  |                |
|--|----------------|
| REGISTERED CIVIL ENGINEER  | ELIAS K. HIRST |
| PLANS APPROVAL DATE  | July 1, 2004   |
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|                     |                                  |
|---------------------|----------------------------------|
| ELIAS K. HIRST      | REGISTERED PROFESSIONAL ENGINEER |
| No. C17926          |                                  |
| Exp. 6-30-05        |                                  |
| CIVIL               |                                  |
| STATE OF CALIFORNIA |                                  |